CLAIMS

- 1. A prophylactic/therapeutic agent for bone and joint diseases, comprising a compound or its salt that inhibits the activity of a protein having an amino acid sequence which is the same or substantially the same as the amino acid sequence represented by SEQ ID NO: 1, its partial peptide, or a salt thereof.
- 2. A prophylactic/therapeutic agent for bone and joint diseases, comprising a compound or its salt that inhibits the expression of a gene for a protein having an amino acid sequence which is the same or substantially the same as the amino acid sequence represented by SEQ ID NO: 1, its partial peptide, or a salt thereof.
- 3. A prophylactic/therapeutic agent for bone and joint diseases, comprising an antisense nucleotide having a base sequence which is complementary or substantially complementary to the base sequence of a polynucleotide encoding a protein having an amino acid sequence which is the same or substantially the same as the amino acid sequence represented by SEQ ID NO: 1, or its partial peptide, or a part of the base sequence.
- 4. A prophylactic/therapeutic agent for bone and joint diseases, comprising an antibody to a protein having an amino acid sequence which is the same or substantially the same as the amino acid sequence represented by SEQ ID NO: 1, its partial peptide, or a salt thereof.
- 5. The prophylactic/therapeutic agent according to claim 1, 2, 3 or 4, wherein the bone and joint diseases are chondrodysplasia, bone dysplasia, osteoporosis, osteoarthritis, chronic articular rheumatism, arthritis, synovitis, metabolic arthropathy or sports-related joint disorders.
- 6. A diagnostic agent for bone and joint diseases, comprising an antibody to a protein having an amino acid sequence which is the same or substantially the same as the amino acid sequence represented by SEQ ID NO: 1, its partial peptide, or a salt thereof.
- 7. A diagnostic agent for bone and joint diseases, comprising a polynucleotide encoding a protein having an amino acid sequence which is the same or substantially the same as the amino acid sequence represented by SEQ ID NO: 1, or its partial peptide.
- 8. The diagnostic agent according to claim 6 or 7, wherein the bone and joint diseases are chondrodysplasia, bone dysplasia, osteoporosis, osteoarthritis, chronic articular rheumatism, arthritis, synovitis, metabolic arthropathy or sports-related joint

disorders.

- 9. A prophylactic/therapeutic agent for bone and joint diseases, comprising a compound or its salt having an action of inhibiting a sulfatase activity.
- 10. A prophylactic/therapeutic agent for bone and joint diseases, comprising a compound or its salt having an action of inhibiting the expression of a sulfatase.
- 11. A method of screening a prophylactic/therapeutic agent for bone and joint diseases, which comprises using a protein having an amino acid sequence which is the same or substantially the same as the amino acid sequence represented by SEQ ID NO: 1, its partial peptide, or a salt thereof.
- 12. A kit for screening a prophylactic/therapeutic agent for bone and joint diseases, comprising a protein having an amino acid sequence which is the same or substantially the same as the amino acid sequence represented by SEQ ID NO: 1, its partial peptide, or a salt thereof.
- 13. A method of screening a prophylactic/therapeutic agent for bone and joint diseases, which comprises using a polynucleotide encoding a protein having an amino acid sequence which is the same or substantially the same as the amino acid sequence represented by SEQ ID NO: 1, or its partial peptide.
- 14. A kit for screening a prophylactic/therapeutic agent for bone and joint diseases, comprising a polynucleotide encoding a protein having an amino acid sequence which is the same or substantially the same as the amino acid sequence represented by SEQ ID NO: 1, or its partial peptide.
- 15. The prophylactic/therapeutic agent for bone and joint diseases, which is obtainable using the screening method according to claim 11 or 13, or the screening kit according to claim 12 or 14.
- 16. A method of preventing/treating bone and joint diseases, which comprises administering to a mammal an effective dose of a compound or its salt that inhibits the activity of a protein having an amino acid sequence which is the same or substantially the same as the amino acid sequence represented by SEQ ID NO: 1, its partial peptide, or a salt thereof, or an effective dose of a compound or its salt that inhibits the expression of a gene for the protein.
- 17. A method of preventing/treating bone and joint diseases, which comprises inhibiting the activity of a protein having an amino acid sequence which is the same or substantially the same as the amino acid sequence represented by SEQ ID NO: 1, its partial peptide, or a salt thereof, or inhibiting the expression of a gene for the protein.
 - 18. Use of a compound or its salt that inhibits the activity of a protein having

an amino acid sequence which is the same or substantially the same as the amino acid sequence represented by SEQ ID NO: 1, its partial peptide, or a salt thereof, or a compound or its salt that inhibits the expression of a gene for the protein, to manufacture a prophylactic/therapeutic agent for bone and joint diseases.